Name of the work: Construction of RCC retaining Wall near Water tank (behind govt School) in Sanjeevininagar in Ward no.07 Byatarayanapura .

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Contractor/Agency : Sri. N LOKANATH REDDY

Name of the Client : Executive Engineer, Byatarayanapura Division (Project) BBMP, Bangalore.

Estimated Cost : 1.90 Crore

Status of Bill : First and Part bill

In the Presence of

(a) Mr. Pushpa Latha N D.
Assistant Engineer, BBMP, Bangalore.
(b) H. Ranganath.
Assistant Executive Engineer, BBMP, Bangalore
(c) Mr. Somesh, Site Engineer
M/s Tejus Consultants.

Item No	Description of Item of Work	Comments/observation
1	Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications.	Work done up to the billed quantity and quality is satisfactory
2	Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials upto a lead of 1000 metrers, stacking serviceable and unserviceable materials seperately complete as per specifications.	Work done up to the billed quantity and quality is satisfactory
3	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 1000 metres complete as per specificafions. iii) Dismantling Stone Masonry. B. Rubble Stone masonry in cement mortar.	Work done up to the billed quantity and quality is satisfactory

Mrthilly.N.D
AE(Civil)

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P

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	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, making the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications.	Work done up to the billed quantity and quality is satisfactory
	Excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, hard rock by chiseling and/or wedging, where blasting is prohibited 1.50 m. in depth stacking the excavated stuff clear from the edge of excavation with lead upto 50m including cost of labour complete as per specifications.	Work done up to the billed quantity and quality is satisfactory
	Disposal of debries to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 20 Km a) Basic rate for haulage of materials as per item No. 7.40(SR)(B) : M100-4.1 ..... Rs. 2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading Item No. 17.1.	Work done up to the billed quantity and quality is satisfactory
	Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.	Work done up to the billed quantity and quality is satisfactory
	Providing and laying cement concrete using 20 mm and down size granite coarse aggregates and fine aggregates jelly of ready mixed concrete (RMC) M-20 for R.C.C works laid in 15 cms thick layers and well compacted vibrating, curing, for foundations & Sub-Structure Works with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges)	Work done up to the billed quantity and quality is satisfactory
	Providing and laying cement concrete using 20mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete for RCC works laid in 15 cm thick layers and well compacted including vibrating curing etc.,for all Super Structure Works with all lead and lift etc., complete. (exclusive of cost of steel and fabrication charges) - Ready mixed Cement concrete M-30	Work done up to the billed quantity and quality is satisfactory
	Providing and removing centering, shuttering, strutting, propping etc. and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications.	Work done up to the billed quantity and quality is satisfactory

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Bangalore.

	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.	Work done up to the billed quantity and quality is satisfactory
	Earthwork excavation in all soil deposits and filling sides of foundation upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5m. including cost of all labour complete as per specifications.	Work done up to the billed quantity and quality is satisfactory
	Providing and fixing 3m long 25mm dia TMT dowel bars 1.5m inserted in 50mm dia holes drilled in hard rock and grouting in CM 1:1 including necessary bending, hooking, cutting and handling charges complete, including the cost of steel. (MORTH clause 1200). - below LWL in open foundation upto 3m. ((P.174 /L26.130.1 PW, P & IWTD, BENGALURU CIRCLE - SR 2018-19)	Work done up to the billed quantity and quality is satisfactory
	Supplying and fixing M.S. Rectangular poles made out of 2 equal anglesof 65x65x6 mm welded together and fixed in CC (1:2:4) WITH 2 NOS 16mmdia M.S. hold fast rods each of length 25 cms. Including cost of all materialscutting, bending scaffolding wherever necessary, nicely finishing the weldedjoints with all lead lifts and as per the directions of the Engineer-in - charge ofthe work and including providing 2 coats of approved quality paint over onecoat of shop painting (excluding cost of earthwork and concrete) includingcost of materials, labour, HOM complete as per specifications. Item No 37.2 PW, P & IWTD, BENGALURU CIRCLE - SR 2018-19)	Work done up to the billed quantity and quality is satisfactory
	Providing chain link fencing 50mm size of 8 guage properly stretched between existing rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint, including cost of materials, labour, HOM complete as per specifications.Item No 37.3 PW, P & IWTD, BENGALURU CIRCLE - SR 2018-19)	Work done up to the billed quantity and quality is satisfactory

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EIRL-4	Providing and fixing M.S. Block pipe of 38mm dia, of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe in between theexisting two verticle poles (M.S. rectangular poles) and spot welding the chainlink with M.S. block pipe including cost of all materials wastage in cutting,and scaffolding wherever necessary with all lead and lift as directed by theEngineer-in-charge of work etc., complete including two coats of approvedquality paint over one coat of shop paint, including cost of materials, labour,HOM complete as per specifications..Item No 37.4 PW, P & IWTD, BENGALURU CIRCLE - SR 2018-19)	Work done up to the billed quantity and quality is satisfactory
EIRL-5	Providing and laying 100mm thick pre-cast cover slabs over drains of width not exceeding 800 mm using M20 concrete reinforced with steel @ 6.00 kg/Sqm, slabs jointed in CM 1:3 proportion and nicely finished including providing holes in the Cover slabs wherever necessary for easy drainage of surface water including of labour, materials, HOM of machineries, curing, lead and lift charges etc, Complete as per MORTH specifications No. 1500, 1700. (P.No.272, I.No.37.66 of PW,P&IWTD SR 2018-19)	Work done up to the billed quantity and quality is satisfactory
EIRL-6	Providing and fixing RCC Precast cover slab of 250mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)	Work done up to the billed quantity and quality is satisfactory
EIRL-7	KSRRB 5-14: Providing and Constructing precast concrete solid blocks with compressive strength not less than 3.5 Newton/sqm with cement mortor 1:4 masonry (quoin, jamb, closer blocks) with solid concrete blocks of size 40X15X20 cms confirming to I.S:2185/1965 in superstructure including cost of materials, labor charges, scaffolding, curing complete as per specifications (P.No.25, I.No.5.26.2 of PW, P&IWTD SR 2018-19)	Work done up to the billed quantity and quality is satisfactory
EIRL-8	Removing and refixing stone slabs of drains and pointing in CM (1:3) (P.No.25, I.No.5.33 of PW, P&IWTD SR 2016-17)	Work done up to the billed quantity and quality is satisfactory
EIRL-9	Providing granite Slabs of Selected quality roughly dressed and fixed in cement mortor (1:6) including fixing curing etc,. Complete. 7.5cms thick (P.No.25, I.No.5.31.1 of PW, P&IWTD SR 2016-17)	Work done up to the billed quantity and quality is satisfactory

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